

# PATENT ABSTRACTS OF JAPAN

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## (54) ARTIFICIAL SKIN

### (57)Abstract:

**PURPOSE:** To prevent the dragging of the skin by laminating a collagen sponge layer having many micropores via an intermediate layer formed of the fiber material of a bio-absorbable high-polymer material on a moisture permeation control layer consisting of the thin film of a moisture permeable high-polymer material.

**CONSTITUTION:** The collagen sponge layer 3 to constitute a layer for contact with a wound part is laminated via the intermediate layer 2 consisting of the fiber material of the bio-absorbable high-polymer material on the moisture permeation control layer 1. The collagen sponge layer 3 is the soft spongy layer having the many fine pores of  $\leq 000\mu\text{m}$ , more preferably 50 to  $130\mu\text{m}$  pore size and the thickness of the layer 3 is usually about  $\geq 1\text{mm}$ , more preferably about 2 to 4mm. The intermediate layer 2 is formed of the fiber material of the bio-absorbable high-polymer

material. Various high-polymer materials which are hydrolyzed in a living body and are absorbed in the living body are included as the bio-absorbable high-polymer material. The dragging of the skin is effectively prevented in this way.

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